

Release notes for ENDF/B Development n-047_Ag_110m1
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=4735, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=4735, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      260 TO      351
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=4735, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=4735, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      260
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4735, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      353
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      712
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      761
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      792
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      821
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 833

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 839

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 853

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 32
SECTION 3/ 32 NOT IN DIRECTORY RECORD NUMBER 864

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 33 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 33
SECTION 3/ 33 NOT IN DIRECTORY RECORD NUMBER 873

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 880

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 906

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 935

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 54 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 54 | RECORD NUMBER | 962 |
| SECTION 3/ 54 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 55 | RECORD NUMBER | 985 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 56 | RECORD NUMBER | 1008 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 57 | RECORD NUMBER | 1030 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 58 | RECORD NUMBER | 1051 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 59 | RECORD NUMBER | 1072 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 60 | RECORD NUMBER | 1092 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 61 | RECORD NUMBER | 1112 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 62 (0): Directory (b)

- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 62 | |
| | SECTION 3/ 62 NOT IN DIRECTORY | RECORD NUMBER 1132 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 63 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 63 | |
| | SECTION 3/ 63 NOT IN DIRECTORY | RECORD NUMBER 1151 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 64 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 64 | |
| | SECTION 3/ 64 NOT IN DIRECTORY | RECORD NUMBER 1170 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 65 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 65 | |
| | SECTION 3/ 65 NOT IN DIRECTORY | RECORD NUMBER 1188 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 66 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 66 | |
| | SECTION 3/ 66 NOT IN DIRECTORY | RECORD NUMBER 1206 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 67 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 67 | |
| | SECTION 3/ 67 NOT IN DIRECTORY | RECORD NUMBER 1224 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 68 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 68 | |
| | SECTION 3/ 68 NOT IN DIRECTORY | RECORD NUMBER 1241 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 69 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 69 | |
| | SECTION 3/ 69 NOT IN DIRECTORY | RECORD NUMBER 1258 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 70 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 70 | RECORD NUMBER | 1274 |
| SECTION 3/ 70 NOT IN DIRECTORY | | |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 71 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 71 | RECORD NUMBER | 1289 |
| SECTION 3/ 71 NOT IN DIRECTORY | | |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 72 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 72 | RECORD NUMBER | 1304 |
| SECTION 3/ 72 NOT IN DIRECTORY | | |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 73 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 73 | RECORD NUMBER | 1319 |
| SECTION 3/ 73 NOT IN DIRECTORY | | |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 74 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 74 | RECORD NUMBER | 1334 |
| SECTION 3/ 74 NOT IN DIRECTORY | | |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 75 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 75 | RECORD NUMBER | 1348 |
| SECTION 3/ 75 NOT IN DIRECTORY | | |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 76 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 76 | RECORD NUMBER | 1362 |
| SECTION 3/ 76 NOT IN DIRECTORY | | |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 77 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 77 | RECORD NUMBER | 1376 |
| SECTION 3/ 77 NOT IN DIRECTORY | | |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 3, MT= 78 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 78 | RECORD NUMBER | 1389 |
| SECTION 3/ 78 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4735~~, MF= 3, MT= 79 (0): Directory (b)
-
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 79 | RECORD NUMBER | 1402 |
| SECTION 3/ 79 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4735~~, MF= 3, MT= 91 (0): Directory (b)
-
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT= 91 | RECORD NUMBER | 1415 |
| SECTION 3/ 91 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4735~~, MF= 3, MT=102 (0): Directory (b)
-
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT=102 | RECORD NUMBER | 1427 |
| SECTION 3/102 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4735~~, MF= 3, MT=103 (0): Directory (b)
-
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT=103 | RECORD NUMBER | 1453 |
| SECTION 3/103 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4735~~, MF= 3, MT=104 (0): Directory (b)
-
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT=104 | RECORD NUMBER | 1469 |
| SECTION 3/104 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4735~~, MF= 3, MT=105 (0): Directory (b)
-
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT=105 | RECORD NUMBER | 1482 |
| SECTION 3/105 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4735~~, MF= 3, MT=106 (0): Directory (b)
-
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT=106 | RECORD NUMBER | 1495 |
| SECTION 3/106 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
~~MAT=4735~~, MF= 3, MT=107 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 3, MT=107 | RECORD NUMBER | 1505 |
| SECTION 3/107 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 2 (0): Directory (b)
- | | | |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 2 | RECORD NUMBER | 1522 |
| SECTION 4/ 2 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 16 | RECORD NUMBER | 1724 |
| SECTION 4/ 16 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 17 | RECORD NUMBER | 1735 |
| SECTION 4/ 17 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 22 | RECORD NUMBER | 1746 |
| SECTION 4/ 22 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 28 | RECORD NUMBER | 1757 |
| SECTION 4/ 28 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 32 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 32 | RECORD NUMBER | 1768 |
| SECTION 4/ 32 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 33 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 33 | RECORD NUMBER | 1779 |
| SECTION 4/ 33 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 51 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 51 | RECORD NUMBER | 1790 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 52 | RECORD NUMBER | 1818 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 53 | RECORD NUMBER | 1843 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 54 | RECORD NUMBER | 1871 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 55 | RECORD NUMBER | 1899 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 56 | RECORD NUMBER | 1927 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 57 | RECORD NUMBER | 1955 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
62. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 58 | RECORD NUMBER | 1980 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
63. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 59 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 59 | RECORD NUMBER | 2005 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
64. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 60 | RECORD NUMBER | 2033 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
65. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 61 | RECORD NUMBER | 2058 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
66. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 62 | RECORD NUMBER | 2086 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
67. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 63 | RECORD NUMBER | 2114 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
68. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 64 | RECORD NUMBER | 2142 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
69. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 65 | RECORD NUMBER | 2167 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
70. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 66 | RECORD NUMBER | 2192 |
| SECTION 4/ 66 NOT IN DIRECTORY | | |
71. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 67 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 67 | RECORD NUMBER | 2220 |
| SECTION 4/ 67 NOT IN DIRECTORY | | |
72. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 68 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 68 | RECORD NUMBER | 2245 |
| SECTION 4/ 68 NOT IN DIRECTORY | | |
73. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 69 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 69 | RECORD NUMBER | 2273 |
| SECTION 4/ 69 NOT IN DIRECTORY | | |
74. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 70 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 70 | RECORD NUMBER | 2301 |
| SECTION 4/ 70 NOT IN DIRECTORY | | |
75. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 71 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 71 | RECORD NUMBER | 2326 |
| SECTION 4/ 71 NOT IN DIRECTORY | | |
76. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 72 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 72 | RECORD NUMBER | 2354 |
| SECTION 4/ 72 NOT IN DIRECTORY | | |
77. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 73 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 73 | RECORD NUMBER | 2382 |
| SECTION 4/ 73 NOT IN DIRECTORY | | |
78. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 74 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 74 | RECORD NUMBER | 2410 |
| SECTION 4/ 74 NOT IN DIRECTORY | | |
79. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 75 (0): Directory (b)

- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 75 | |
| | SECTION 4/ 75 NOT IN DIRECTORY | RECORD NUMBER 2438 |
80. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 76 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 76 | |
| | SECTION 4/ 76 NOT IN DIRECTORY | RECORD NUMBER 2463 |
81. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 77 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 77 | |
| | SECTION 4/ 77 NOT IN DIRECTORY | RECORD NUMBER 2488 |
82. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 78 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 78 | |
| | SECTION 4/ 78 NOT IN DIRECTORY | RECORD NUMBER 2516 |
83. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 79 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 79 | |
| | SECTION 4/ 79 NOT IN DIRECTORY | RECORD NUMBER 2541 |
84. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 4, MT= 91 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 4, MT= 91 | |
| | SECTION 4/ 91 NOT IN DIRECTORY | RECORD NUMBER 2569 |
85. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 5, MT= 16 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 5, MT= 16 | |
| | SECTION 5/ 16 NOT IN DIRECTORY | RECORD NUMBER 2598 |
86. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 5, MT= 17 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=4735, MF= 5, MT= 17 | |
| | SECTION 5/ 17 NOT IN DIRECTORY | RECORD NUMBER 2669 |
87. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 5, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 5, MT= 22
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 2695

88. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 5, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 2880

89. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 5, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 5, MT= 32
SECTION 5/ 32 NOT IN DIRECTORY RECORD NUMBER 2987

90. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 5, MT= 33 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 5, MT= 33
SECTION 5/ 33 NOT IN DIRECTORY RECORD NUMBER 3059

91. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4735, MF= 5, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=4735, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 3102

- **psyche** Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 110. L = 0 / STRENGTH FUNCTION IS 7.49610E-06 / STRENGTH FUNCTION 7.49610E-06 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. fn.

```
FILE 2
SECTION 151
ISOTOPE MASS = 110. L = 0
STRENGTH FUNCTION IS 7.49610E-06
STRENGTH FUNCTION 7.49610E-06
... [1 more lines]
```

2. Non-threshold reaction with Q value differing from PSYCHE's expectations
FILE 3 / SECTION 103 / THE CALCULATED Q 1.53711E+06 DISSAGREES WITH THE GIVEN Q 1.66146E+06 (0): Iffy Q

```
FILE 3
SECTION 103
THE CALCULATED Q 1.53711E+06 DISSAGREES WITH THE GIVEN Q 1.66146E+06
```

- **fudge-4.0** Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 4.5 and S = 4.5 for "capture"

2. Potential scattering hasn't converted, you need more L's!
resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=125.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.24%

4. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.11%

• fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 31: n[multiplicity:'2'] + Ag109 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6772575.462631226 eV vs -6810090. eV!

2. Calculated and tabulated Q values disagree.
reaction label 32: n[multiplicity:'3'] + Ag108 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15964726.14506531 eV vs -1.60062e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 33: n + H1 + Pd109 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7106306.799713135 eV vs -7143630. eV!

4. Calculated and tabulated Q values disagree.
reaction label 34: n + H2 + Pd108 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -11035344.75900269 eV vs -1.09926e7 eV!

5. Calculated and tabulated Q values disagree.
reaction label 35: n + H3 + Pd107 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -14006139.92550659 eV vs -1.40356e7 eV!

6. Calculated and tabulated Q values disagree.
reaction label 36: Ag111 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 8868109.856658936 eV vs 8841390. eV!

7. Calculated and tabulated Q values disagree.
reaction label 37: n + He4 + Rh106 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3487364.941253662 eV vs -3505890. eV!

8. Calculated and tabulated Q values disagree.
reaction label 38: H1 + Pd110_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 1707594.889526367 eV vs 1661460. eV!

9. Calculated and tabulated Q values disagree.
reaction label 39: H2 + Pd109_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4881740.698776245 eV vs -4833510. eV!

10. Calculated and tabulated Q values disagree.
reaction label 40: H3 + Pd108_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4778111.818389893 eV vs -4807460. eV!

11. Calculated and tabulated Q values disagree.
reaction label 41: He3 + Rh108_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9264521.061355591 eV vs -9291820. eV!

12. Calculated and tabulated Q values disagree.
reaction label 42: He4 + Rh107_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 5085759.509246826 eV vs 5.0582e6 eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPT/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPT/conver (0)

---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPT/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 32
only mf4/mf5 provided

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 33
only mf4/mf5 provided

7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (6): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided